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AUTHOR	Sakofs, Mitchell
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ABSTRACT

To better understand how teacher candidates (student teachers) from Eastern Connecticut State University (ECSU) grow and develop from the start to the end of their student teaching semester, data provided through the Student Teacher Growth Record were analyzed. Student Teacher Growth Records, along with narrative reports provided by student teacher coordinators, serves as the primary means of assessing the candidate's knowledge, skills, and dispositions. The growth records are completed by the teacher candidate, cooperating teacher, and university coordinator midway through and at the end of the student teaching experience. Analysis of the growth records reveals that growth recorded between midyear and the end of the year was statistically significant. There were no significant differences among evaluations provided by the candidate, the cooperating teacher, and the university coordinator, suggesting that they all see the candidate's performance in the same light. (Contains 6 figures and 38 tables.) (SLD)

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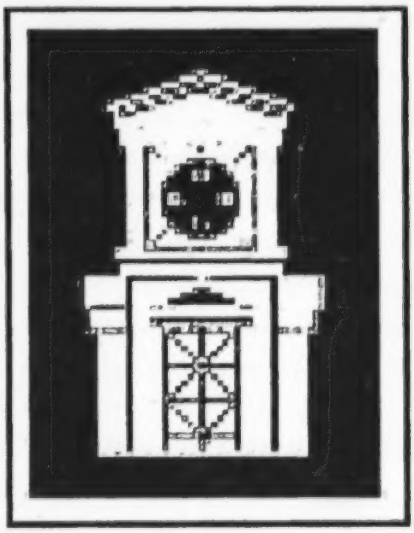
ED 467 438

Our Students Speak

An analysis of survey data provided by ECSU Certification Candidates
concerning their professional preparation and Connecticut's Common Core of Teaching



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An Eastern Connecticut State University Research Brief

TM034320

Prepared by

Mitchell Sakofs
Director of Educational Experience

Winter 2002

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Introduction

To better understand how our teacher candidates (student teachers) grow and develop from the start to the end of their student teaching semester, data provided through the *Student Teacher Growth Record* were analyzed.

Student Teacher Growth Records, along with narrative reports provided by the student teacher coordinators, serve as the primary means by which the candidate's knowledge, skills and dispositions are assessed. The narrative reports are completed by the coordinator after each school visit and classroom/lesson observation. These are done approximately once every two weeks. Growth records, which are based on Connecticut's Common Core of Teaching, are completed by the teacher candidate, cooperating teacher and university coordinator mid way through and at the end of student teaching experience.

Student Teacher Growth Record (*STGR*) data are incorporated into a database along with other relevant student data.

The materials to follow constitute some preliminary analyses of *STGR* data for teacher candidates who were recommended for certification from the 2000/2001 academic year.

Results

- Demographic data are found on page 1, this includes ethnicity, gender as well as degree and program.
- Page 2 shows Praxis performance data.
- Pages 3, 4 and 5 present graphic illustrations of selected questions concerning the CT Common Core of Teaching. Note bar graphs present mid year and end of year scores as reported by the candidate, cooperating teacher and university coordinator. Graphs effectively illustrate student growth.
- Pages 6 through 13 present T-tests for selected questions concerning the CT Common Core of teaching. T-tests reveal that growth recorded between mid year and end of year scores were statistically significant.
- Page 14 shows how questions concerning the CT Common Core of Teaching Rank Order by *means* within their respective categories.
- Pages 15 through 33 show data for each Common Core question and illustrates that there was no significant difference between the evaluations provided to by the candidate, cooperating teacher and university coordinator. In essence this means that they all are seeing the candidates performance in the same light.

Recommendations

It is recommended that these data be reviewed by each unit for insights on restructuring content for improved knowledge acquisition vis-à-vis CT Common Core of Teaching.

Here are some additional descriptive data on students:

Ethnicity
94 % Caucasian
2% African American
2 % Hispanic
1% Native American
1 % Other

Gender
68% Female
32% Male

Degree Sought
13% Masters
10% Post Bach
77% Undergrad

Praxis Waiver
75% No
25% Yes

Program
32% ECE
28% El Ed
5% Middle
22% PE
13% Secondary

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State Undergraduate minimum GPA required for admission to program is B- (2.75); at Eastern, the mean undergraduate GPA for our certification program completers is 3.3, i.e., well above the state minimum.

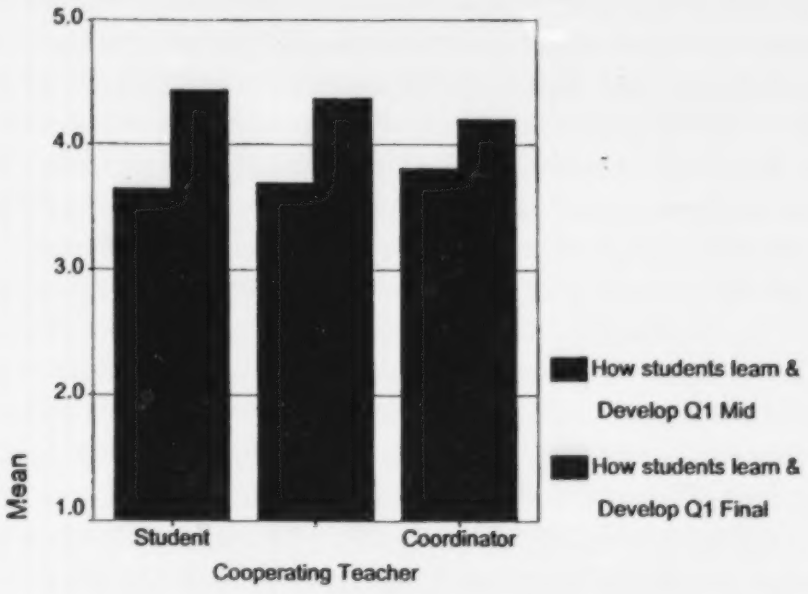
RE Praxis I

State minimums for CBT Praxis I scores	ECSU Mean for Program Completers CBT Praxis I scores
CBT Praxis I Math—319 min passing score	325 ECSU mean passing score
CBT Praxis I Reading-324 min passing score	329 ECSU mean passing score
CBT Praxis I Writing-318 min passing score	324 ECSU mean passing score

As far as exit exams are concerned:

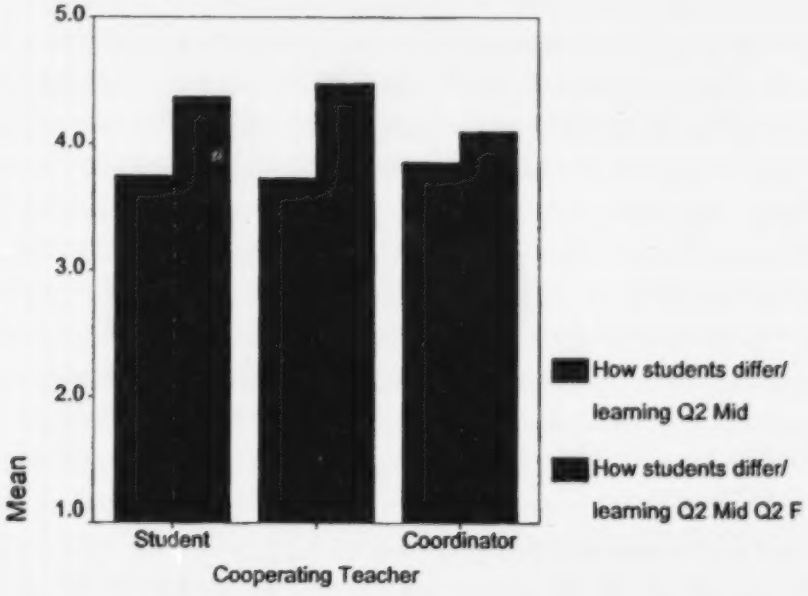
State minimums for Praxis II scores	ECSU Mean for Program Completers
Test 10011 min pass 163	ECSU mean 182
Test 10041 min pass 172	ECSU mean 180
Test 10081 min pass 162	ECSU mean 174
Test 10091 min pass 154	ECSU mean 163
Test 20012 min pass 148	ECSU mean 158
Test 20042 min pass 160	ECSU mean 165
Test 20092 min pass 154	ECSU mean 162

Graph



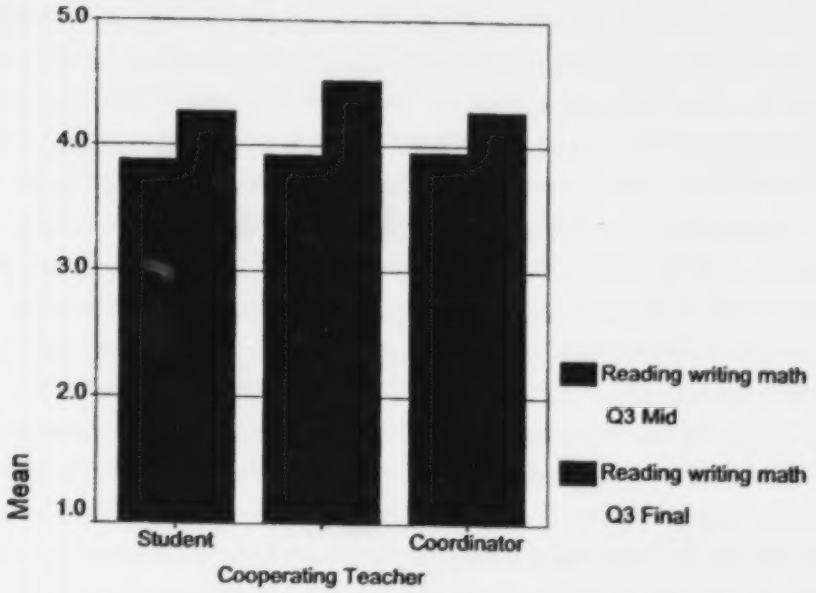
Evaluator

Graph



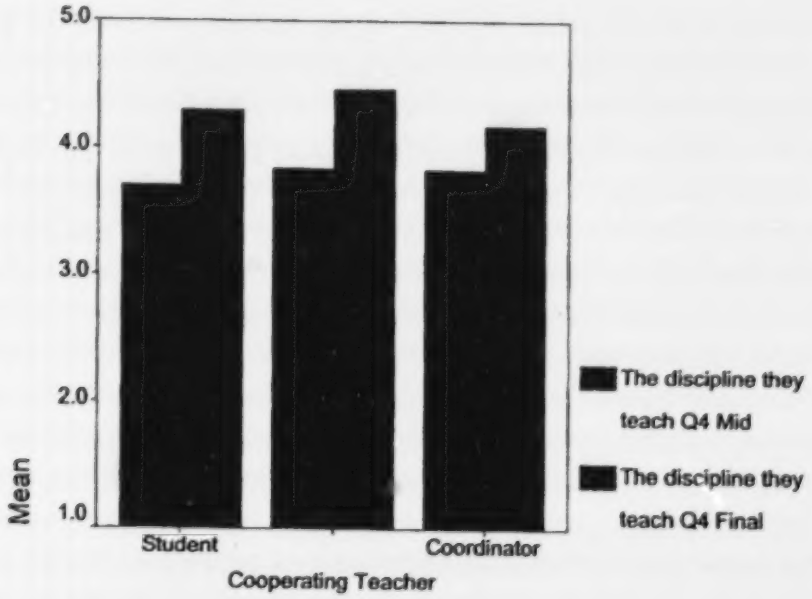
Evaluator

Graph



Color of Form

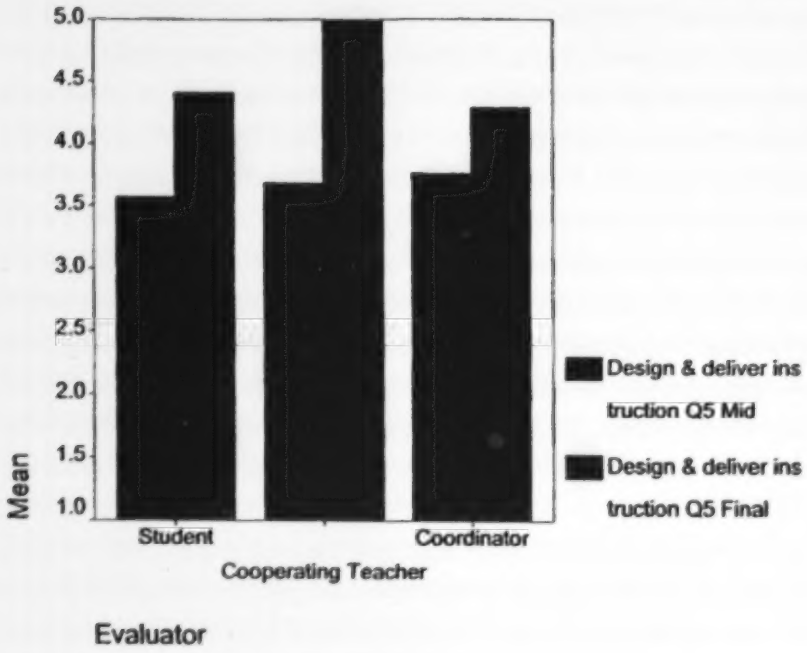
Graph



Evaluator

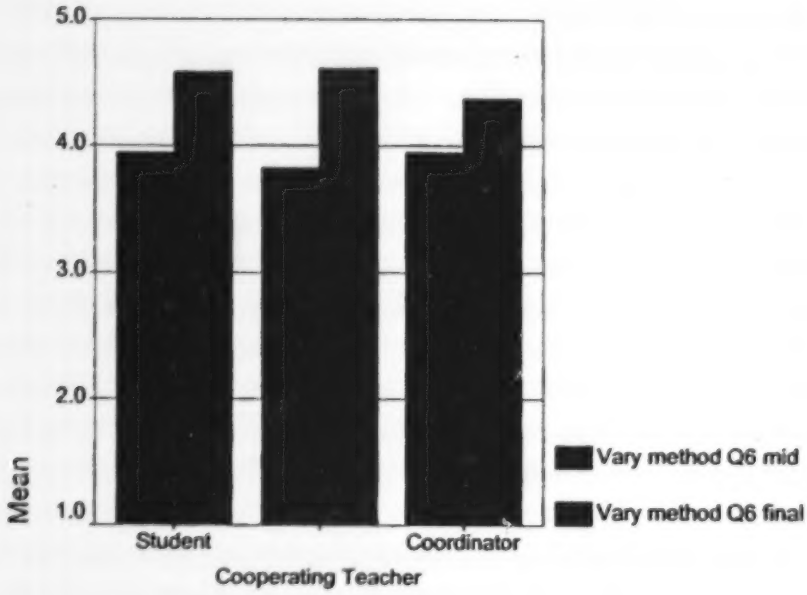
Graph

4



Evaluator

Graph



Evaluator

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T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
How students learn & Develop Q1 Mid	173	3.721	.629	4.779E-02
How students learn & Develop Q1 Final	173	4.337	.785	5.967E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
How students learn & Develop Q1 Mid	77.863	172	.000	3.721	3.627	3.815
How students learn & Develop Q1 Final	72.688	172	.000	4.337	4.219	4.455

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
How students differ/learning Q2 Mid	173	3.781	.649	4.932E-02
How students differ/learning Q2 Mid Q2 Final	173	4.3169	.7887	5.996E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
How students differ/learning Q2 Mid	76.671	172	.000	3.781	3.684	3.879
How students differ/learning Q2 Mid Q2 Final	71.995	172	.000	4.3169	4.1985	4.4352

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Reading writing math Q3 Mid	173	3.9219	.6480	4.926E-02
Reading writing math Q3 Final	173	4.3576	.7654	5.819E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Reading writing math Q3 Mid	79.608	172	.000	3.9219	3.8246	4.0191
Reading writing math Q3 Final	74.883	172	.000	4.3576	4.2427	4.4724

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
The discipline they teach Q4 Mid	173	3.791	.607	4.614E-02
The discipline they teach Q4 Final	173	4.311	.676	5.140E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
The discipline they teach Q4 Mid	82.156	172	.000	3.791	3.700	3.882
The discipline they teach Q4 Final	83.875	172	.000	4.311	4.210	4.412

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Design & deliver instruction Q5 Mid	173	3.678	.635	4.829E-02
Design & deliver instruction Q5 Final	173	4.5988	2.2860	.1738

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Design & deliver instruction Q5 Mid	76.165	172	.000	3.678	3.583	3.774
Design & deliver instruction Q5 Final	26.461	172	.000	4.5988	4.2558	4.9419

T-Test

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One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Vary method Q6 mid	173	3.907	.631	4.794E-02
Vary method Q6 final	173	4.5233	.6837	5.198E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Vary method Q6 mid	81.499	172	.000	3.907	3.812	4.002
Vary method Q6 final	87.014	172	.000	4.5233	4.4206	4.6259

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Plans instruction base on knowledge Q1 Mid	173	3.754	.673	5.120E-02
Plans instruction base on knowledge Q1 Final	173	4.381	.733	5.570E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Plans instruction base on knowledge Q1 Mid	73.321	172	.000	3.754	3.653	3.855
Plans instruction base on knowledge Q1 Final	78.655	172	.000	4.381	4.271	4.491

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Creates meaningful learning Q2 mid	173	3.891	.682	5.184E-02
Creates meaningful learning Q2 final	173	4.4651	.7861	5.977E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Creates meaningful learning Q2 mid	75.049	172	.000	3.891	3.788	3.993
Creates meaningful learning Q2 final	74.709	172	.000	4.4651	4.3471	4.5831

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T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Maintains appropriate behavior Q3 Mid	173	4.012	.668	5.078E-02
Maintains appropriate behavior Q3 Final	173	4.523	.653	4.967E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Maintains appropriate behavior Q3 Mid	78.998	172	.000	4.012	3.911	4.112
Maintains appropriate behavior Q3 Final	91.069	172	.000	4.523	4.425	4.621

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Instruction supportsacademic, social personal Q4 mid	173	3.8622	.6395	4.862E-02
Instruction supportsacademic, social personal Q4 final	173	4.442	.667	5.068E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Instruction supportsacademic, social personal Q4 mid	79.438	172	.000	3.8622	3.7662	3.9582
Instruction supportsacademic, social personal Q4 final	87.650	172	.000	4.442	4.342	4.542

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Effective communication Q5 mid	173	3.669	.732	5.564E-02
Effective communication Q5 final	173	4.302	.764	5.805E-02

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One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Effective communication Q5 mid	65.950	172	.000	3.669	3.559	3.779
Effective communication Q5 final	74.111	172	.000	4.302	4.188	4.417

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
instruction supportscritical thinking Q6 Mid	173	3.717	.690	5.243E-02
instruction supportscritical thinking Q6 Final	173	4.308	.920	6.997E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
instruction supportscritical thinking Q6 Mid	70.886	172	.000	3.717	3.613	3.820
instruction supportscritical thinking Q6 Final	61.574	172	.000	4.308	4.170	4.446

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Assess student learning Q7 Mid	173	3.4841	.7292	5.544E-02
Assess student learning Q7 Final	173	4.087	.882	6.703E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Assess student learning Q7 Mid	62.841	172	.000	3.4841	3.3747	3.5936
Assess student learning Q7 Final	60.976	172	.000	4.087	3.955	4.220

T-Test

(10)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Professional Conduct Q1 Mid	173	4.291	.679	5.164E-02
Professional Conduct Q1 Final	173	4.619	1.137	8.643E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Professional Conduct Q1 Mid	83.089	172	.000	4.291	4.189	4.393
Professional Conduct Q1 Final	53.441	172	.000	4.619	4.449	4.790

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Shares responsibility for student achievement Q2 Mid	173	4.185	.636	4.835E-02
Shares responsibility for student achievement Q2 Final	173	4.549	.717	5.448E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Shares responsibility for student achievement Q2 Mid	86.543	172	.000	4.185	4.089	4.280
Shares responsibility for student achievement Q2 Final	83.501	172	.000	4.549	4.442	4.657

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Self-evaluation Q3 Mid	173	4.071	.637	4.845E-02
Self-evaluation Q3 Final	173	4.4331	.7605	5.782E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Self-evaluation Q3 Mid	84.014	172	.000	4.071	3.975	4.167
Self-evaluation Q3 Final	76.671	172	.000	4.4331	4.3190	4.5473

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Seeks opporunities to grow Q4 Mid	173	3.992	.723	5.499E-02
Seeks opporunities to grow Q4 Final	173	4.422	.698	5.303E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Seeks opporunities to grow Q4 Mid	72.592	172	.000	3.992	3.884	4.101
Seeks opporunities to grow Q4 Final	83.372	172	.000	4.422	4.317	4.526

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Leader in school Q5 Mid	173	3.5560	.7289	5.542E-02
Leader in school Q5 Final	173	3.846	1.105	8.404E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Leader in school Q5 Mid	64.167	172	.000	3.5560	3.4466	3.6654
Leader in school Q5 Final	45.762	172	.000	3.846	3.680	4.012

T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
A passion to improve Q6 Mid	173	4.1032	.6544	4.975E-02
A passion to improve Q6 Final	173	4.5468	.6718	5.108E-02

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
A passion to improve Q6 Mid	82.470	172	.000	4.1032	4.0050	4.2014
A passion to improve Q6 Final	89.020	172	.000	4.5468	4.4460	4.6476

(13)

COMMON CORE: STUDENT TEACHER KNOWLEDGE

Number of valid observations (listwise) = 173.00

MID SEMESTER RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STHK5M_1	3.68	.64	2.0	5.0	173	Design & deliver instruction Q5 Mid
STHK1M_1	3.72	.63	2.0	5.0	173	How students learn & Develop Q1 Mid
STHK2M_1	3.78	.65	2.0	5.0	173	How students differ/learning Q2 Mid
STHK4M_1	3.79	.61	2.0	5.0	173	The discipline they teach Q4 Mid
STHK6M_1	3.91	.63	2.0	5.0	173	Vary method Q6 mid
STHK3M_1	3.92	.65	2.0	5.0	173	Reading writing math Q3 Mid

FINAL RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STHK4F_1	4.31	.68	3.0	5.0	173	The discipline they teach Q4 Final
STHK2F_1	4.33	.74	2.0	5.0	173	How students differ/learning Q2 Mid Q2 F
STHK1F_1	4.35	.73	2.0	5.0	173	How students learn & Develop Q1 Final
STHK3F_1	4.37	.71	2.0	5.0	173	Reading writing math Q3 Final
STHK5F_1	4.43	.72	2.0	5.0	173	Design & deliver instruction Q5 Final
STHK6F_1	4.52	.68	2.0	5.0	173	Vary method Q6 final

COMMON CORE: STUDENT TEACHER APPLIES KNOWLEDGE

MID SEMESTER RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STAK7M_1	3.48	.73	2.0	5.0	173	Assess student learning Q7 Mid
STAK5M_1	3.67	.73	2.0	5.0	173	Effective communication Q5 mid
STAK6M_1	3.72	.69	2.0	5.0	173	instruction supports critical thinking Q6
STAK1M_1	3.75	.67	2.0	5.0	173	Plans instruction base on knowledge Q1 M
STAK4M_1	3.86	.64	2.0	5.0	173	Instruction supports academic, social per
STAK2M_1	3.89	.68	2.0	5.0	173	Creates meaningful learning Q2 mid
STAK3M_1	4.01	.67	2.0	5.0	173	Maintains appropriate behavior Q3 Mid

FINAL RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STAK7F_1	4.13	.76	2.0	5.0	173	Assess student learning Q7 Final
STAK5F_1	4.31	.71	2.0	5.0	173	Effective communication Q5 final
STAK6F_1	4.34	.78	2.0	5.0	173	instruction supports critical thinking Q6
STAK1F_1	4.40	.66	3.0	5.0	173	Plans instruction base on knowledge Q1 F
STAK4F_1	4.44	.67	3.0	5.0	173	Instruction supports academic, social per
STAK2F_1	4.48	.73	2.0	5.0	173	Creates meaningful learning Q2 final
STAK3F_1	4.52	.65	3.0	5.0	173	Maintains appropriate behavior Q3 Final

COMMON CORE: STUDENT TEACHER DEMONSTRATES PROFESSIONAL RESPONSIBILITY

MID SEMESTER RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STDPR5_1	3.56	.73	1.0	5.0	173	Leader in school Q5 Mid
STDPR4_1	3.99	.72	2.0	5.0	173	Seeks opportunities to grow Q4 Mid
STDPR3_1	4.07	.64	2.0	5.0	173	Self-evaluation Q3 Mid
STDPR6_1	4.10	.65	2.0	5.0	173	A passion to improve Q6 Mid
STDPR2_1	4.18	.64	2.0	5.0	173	Shares responsibility for student achieve
STDPR1_1	4.29	.68	2.0	5.0	173	Professional Conduct Q1 Mid

FINAL RANKING

Variable	Mean	Std Dev	Minimum	Maximum	N	Label
STDPR5_2	4.01	.75	2.0	5.0	169	Leader in school Q5 Final
STDPR4_2	4.42	.70	2.0	5.0	173	Seeks opportunities to grow Q4 Final
STDPR3_2	4.43	.76	1.0	5.0	173	Self-evaluation Q3 Final
STDPR6_2	4.55	.67	2.0	5.0	173	A passion to improve Q6 Final
STDPR2_2	4.57	.64	3.0	5.0	173	Shares responsibility for student achieve
STDPR1_2	4.68	.98	2.0	14	172	Professional Conduct Q1 Final

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Dependent Variable STHK1M_1 How students learn & Develop Q1 Mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	208.0	3.6491	.6679	24.9825	57
g	Cooperating Teacher	210.7	3.6969	.7774	33.8399	57
y	Coordinator	225.0	3.8136	.3782	8.2980	59
Within Groups Total		643.7	3.7209	.6284	67.1203	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.8332	2	.4166	1.0551	.3504
Within Groups	67.1203	170	.3948		

Eta = .1107 Eta Squared = .0123

Dependent Variable STHK1F_1 How students learn & Develop Q1 Final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	253.0	4.4386	.6273	22.0351	57
g	Cooperating Teacher	251.3	4.4094	.7507	31.5589	57
y	Coordinator	248.0	4.2034	.7993	37.0593	59
Within Groups Total		752.3	4.3488	.7302	90.6533	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.9166	2	.9583	1.7971	.1689
Within Groups	90.6533	170	.5333		

Eta = .1439 Eta Squared = .0207

(15)

Dependent Variable STHK2M_1 **How students differ/learning Q2 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	213.8	3.7505	.7380	30.5010	57
g	Cooperating Teacher	212.8	3.7330	.7675	32.9845	57
y	Coordinator	227.6	3.8575	.3797	8.3599	59
Within Groups Total		654.2	3.7813	.6501	71.8454	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.5296	2	.2648	.6266	.5356
Within Groups	71.8454	170	.4226		

Eta = .0855 Eta Squared = .0073

Dependent Variable STHK2P_1 **How students differ/learning Q2 Mid Q2 F**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	249.50	4.3772	.6428	23.1404	57
g	Cooperating Teacher	255.32	4.4792	.7072	28.0090	57
y	Coordinator	244.00	4.1356	.8191	38.9153	59
Within Groups Total		748.82	4.3284	.7279	90.0646	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	3.6260	2	1.8130	3.4221	.0349
Within Groups	90.0646	170	.5298		

Eta = .1967 Eta Squared = .0387

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Dependent Variable STHK3M_1 **Reading writing math Q3 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	221.42	3.8846	.6879	26.4970	57
g	Cooperating Teacher	223.92	3.9285	.8474	40.2143	57
y	Coordinator	233.14	3.9515	.3044	5.3739	59
Within Groups Total		678.48	3.9219	.6512	72.0852	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.1336	2	.0668	.1575	.8544
Within Groups	72.0852	170	.4240		

Eta = .0430 Eta Squared = .0018

Dependent Variable STHK3F_1 **Reading writing math Q3 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	245.50	4.3070	.6928	26.8772	57
g	Cooperating Teacher	257.86	4.5238	.6511	23.7380	57
y	Coordinator	252.50	4.2797	.7728	34.6356	59
Within Groups Total		755.86	4.3691	.7081	85.2507	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.0561	2	1.0280	2.0500	.1319
Within Groups	85.2507	170	.5015		

Eta = .1535 Eta Squared = .0236

(17)

Dependent Variable STHK4M_1 **The discipline they teach Q4 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	211.0	3.7018	.6537	23.9298	57
g	Cooperating Teacher	218.8	3.8384	.7507	31.5559	57
y	Coordinator	226.0	3.8305	.3521	7.1888	59
Within Groups Total		655.8	3.7907	.6072	62.6745	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.6743	2	.3372	.9145	.4027
Within Groups	62.6745	170	.3687		

Eta = .1032 Eta Squared = .0106

Dependent Variable STHK4F_1 **The discipline they teach Q4 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	245.0	4.2982	.6537	23.9298	57
g	Cooperating Teacher	254.3	4.4616	.5969	19.9516	57
y	Coordinator	246.5	4.1780	.7472	32.3814	59
Within Groups Total		745.8	4.3110	.6698	76.2628	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.3462	2	1.1731	2.6150	.0761
Within Groups	76.2628	170	.4486		

Eta = .1728 Eta Squared = .0298

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Dependent Variable STHKSM_1 **Design & deliver instruction Q5 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	204.0	3.5789	.6800	25.8947	57
g	Cooperating Teacher	210.2	3.6873	.7993	35.7813	57
y	Coordinator	222.2	3.7655	.3401	6.7068	59
Within Groups Total		636.3	3.6783	.6342	68.3829	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.0163	2	.5082	1.2633	.2854
Within Groups	68.3829	170	.4023		

Eta = .1210 Eta Squared = .0146

Dependent Variable STHK5F_1 **Design & deliver instruction Q5 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	251.50	4.4123	.6756	25.5614	57
g	Cooperating Teacher	260.60	4.5719	.6508	23.7150	57
y	Coordinator	253.50	4.2966	.8101	38.0593	59
Within Groups Total		765.60	4.4254	.7168	87.3357	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.2119	2	1.1060	2.1528	.1193
Within Groups	87.3357	170	.5137		

Eta = .1572 Eta Squared = .0247

Dependent Variable STHK6M_1 Vary method Q6 mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	225.0	3.9474	.7177	28.8421	57
g	Cooperating Teacher	217.9	3.8229	.7526	31.7215	57
y	Coordinator	233.0	3.9492	.3528	7.2196	59
Within Groups Total		675.9	3.9070	.6314	67.7831	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.6006	2	.3003	.7531	.4725
Within Groups	67.7831	170	.3987		

Eta = .0937 Eta Squared = .0088

Dependent Variable STHK6F_1 Vary method Q6 final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	261.50	4.5877	.5600	17.5614	57
g	Cooperating Teacher	263.02	4.6144	.6409	23.0040	57
y	Coordinator	258.00	4.3729	.8073	37.7966	59
Within Groups Total		782.52	4.5233	.6789	78.3620	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.0450	2	1.0225	2.2182	.1119
Within Groups	78.3620	170	.4610		

Eta = .1595 Eta Squared = .0254

Dependent Variable STAK1M_1 Plans instruction base on knowledge Q1 M
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	208.8	3.6623	.7625	32.5621	57
g	Cooperating Teacher	217.3	3.8115	.8160	37.2846	57
y	Coordinator	223.4	3.7867	.3577	7.4210	59
Within Groups Total		649.4	3.7539	.6742	77.2677	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.7303	2	.3652	.8034	.4495
Within Groups	77.2677	170	.4545		

Eta = .0968 Eta Squared = .0094

Dependent Variable STAK1F_1 Plans instruction base on knowledge Q1 F
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	250.0	4.3860	.6749	25.5088	57
g	Cooperating Teacher	259.4	4.5505	.5649	17.8686	57
y	Coordinator	251.5	4.2627	.7093	29.1780	59
Within Groups Total		760.9	4.3982	.6533	72.5553	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.4144	2	1.2072	2.8286	.0619
Within Groups	72.5553	170	.4268		

Eta = .1795 Eta Squared = .0322

Dependent Variable STAK2M_1 Creates meaningful learning Q2 mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	212.9	3.7349	.7441	31.0068	57
g	Cooperating Teacher	228.9	4.0156	.8345	38.9980	57
y	Coordinator	231.3	3.9203	.3629	7.6395	59
Within Groups Total		673.1	3.8906	.6758	77.6444	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.3244	2	1.1622	2.5446	.0815
Within Groups	77.6444	170	.4567		

Eta = .1705 Eta Squared = .0291

- - Analysis of Variance - -

Dependent Variable STAK2F_1 Creates meaningful learning Q2 final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	253.50	4.4474	.7300	29.8421	57
g	Cooperating Teacher	265.47	4.6573	.6351	22.5912	57
y	Coordinator	255.50	4.3305	.7966	36.8051	59
Within Groups Total		774.47	4.4767	.7245	89.2383	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	3.1688	2	1.5844	3.0183	.0515
Within Groups	89.2383	170	.5249		

Eta = .1852 Eta Squared = .0343

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Dependent Variable STAK3M_1 Maintains appropriate behavior Q3 Mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	223.5	3.9211	.7058	27.8947	57
g	Cooperating Teacher	232.0	4.0704	.8207	37.7178	57
y	Coordinator	238.5	4.0424	.4234	10.3999	59
Within Groups Total		694.0	4.0116	.6687	76.0124	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.7201	2	.3601	.8053	.4487
Within Groups	76.0124	170	.4471		

Eta = .0969 Eta Squared = .0094

- - Analysis of Variance - -

Dependent Variable STAK3F_1 Maintains appropriate behavior Q3 Final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	257.0	4.5088	.6303	22.2456	57
g	Cooperating Teacher	265.0	4.6495	.5424	16.4761	57
y	Coordinator	260.5	4.4153	.7552	33.0763	59
Within Groups Total		782.5	4.5233	.6499	71.7979	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.6090	2	.8045	1.9049	.1520
Within Groups	71.7979	170	.4223		

Eta = .1481 Eta Squared = .0219

Dependent Variable STAK4M_1 Instruction supports academic, social per
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	217.36	3.8134	.6980	27.2837	57
g	Cooperating Teacher	220.72	3.8724	.8030	36.1093	57
y	Coordinator	230.07	3.8996	.3404	6.7214	59
Within Groups Total		668.16	3.8622	.6422	70.1144	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.2242	2	.1121	.2718	.7624
Within Groups	70.1144	170	.4124		

Eta = .0565 Eta Squared = .0032

Dependent Variable STAK4F_1 Instruction supports academic, social per
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	252.0	4.4211	.6532	23.8947	57
g	Cooperating Teacher	257.4	4.5165	.5974	19.9878	57
y	Coordinator	259.0	4.3898	.7432	32.0339	59
Within Groups Total		768.4	4.4419	.6683	75.9165	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.5022	2	.2511	.5622	.5710
Within Groups	75.9165	170	.4466		

Eta = .0811 Eta Squared = .0066

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Dependant Variable STAK5M_1 **Effective communication Q5 mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	201.7	3.5381	.8232	37.9461	57
g	Cooperating Teacher	216.3	3.7954	.8539	40.8330	57
y	Coordinator	216.8	3.6742	.4441	11.4414	59
Within Groups Total		634.8	3.6693	.7285	90.2204	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.8898	2	.9449	1.7804	.1717
Within Groups	90.2204	170	.5307		

Eta = .1432 Eta Squared = .0205

Dependant Variable STAK5F_1 **Effective communication Q5 final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	243.0	4.2632	.7203	29.0526	57
g	Cooperating Teacher	254.3	4.4614	.6808	25.9543	57
y	Coordinator	249.0	4.2203	.7208	30.1356	59
Within Groups Total		746.3	4.3139	.7077	85.1426	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.9041	2	.9520	1.9009	.1526
Within Groups	85.1426	170	.5008		

Eta = .1479 Eta Squared = .0219

Dependent Variable STAK6M_1 instruction supports critical thinking Q6
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	206.4	3.6216	.7440	31.0005	57
g	Cooperating Teacher	213.4	3.7444	.8498	40.4380	57
y	Coordinator	223.1	3.7813	.4058	9.5519	59
Within Groups Total		643.0	3.7165	.6902	80.9903	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.8049	2	.4025	.8448	.4314
Within Groups	80.9903	170	.4764		

Eta = .0992 Eta Squared = .0098

Summaries of STAK6F_1 instruction supports critical thinking Q6
By levels of FORM Color of Form

- - Analysis of Variance - -

Dependent Variable STAK6F_1 instruction supports critical thinking Q6
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	243.0	4.2632	.7683	33.0526	57
g	Cooperating Teacher	256.8	4.5054	.7044	27.7851	57
y	Coordinator	251.5	4.2627	.8578	42.6780	59
Within Groups Total		751.3	4.3428	.7803	103.5157	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.2471	2	1.1235	1.8452	.1612
Within Groups	103.5157	170	.6089		

Eta = .1458 Eta Squared = .0212

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Dependent Variable STAK7M_1 **Assess student learning Q7 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	192.95	3.3851	.8183	37.4986	57
g	Cooperating Teacher	198.47	3.4819	.8502	40.4818	57
y	Coordinator	211.33	3.5819	.4617	12.3646	59
Within Groups Total		602.75	3.4841	.7290	90.3451	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.1232	2	.5616	1.0567	.3499
Within Groups	90.3451	170	.5314		

Eta = .1108 Eta Squared = .0123

Dependent Variable STAK7F_1 **Assess student learning Q7 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	239.0	4.1930	.6392	22.8772	57
g	Cooperating Teacher	239.1	4.1945	.8112	36.8510	57
y	Coordinator	237.0	4.0169	.8198	38.9831	59
Within Groups Total		715.1	4.1335	.7620	98.7112	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.2153	2	.6077	1.0465	.3534
Within Groups	98.7112	170	.5807		

Eta = .1103 Eta Squared = .0122

Dependent Variable STDPR1_1 Professional Conduct Q1 Mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	241.3	4.2332	.7317	29.9855	57
g	Cooperating Teacher	254.3	4.4612	.7314	29.9582	57
y	Coordinator	246.7	4.1815	.5391	16.8553	59
Within Groups Total		742.3	4.2907	.6721	76.7990	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.5498	2	1.2749	2.8221	.0623
Within Groups	76.7990	170	.4518		

Eta = .1793 Eta Squared = .0321

Dependent Variable STDPR1_2 Professional Conduct Q1 Final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	263.0	4.6140	.5902	19.5088	57
g	Cooperating Teacher	274.6	4.8179	.5045	14.2545	57
y	Coordinator	267.5	4.6121	1.4957	127.5216	58
Within Groups Total		805.1	4.6809	.9769	161.2848	172

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.5992	2	.7996	.8378	.4344
Within Groups	161.2848	169	.9543		

Eta = .0991 Eta Squared = .0098

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Dependant Variable STDPR2_1 **Shares responsibility for student achieve**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	233.0	4.0877	.6887	26.5614	57
g	Cooperating Teacher	244.2	4.2839	.7727	33.4386	57
y	Coordinator	246.8	4.1823	.3822	8.4714	59
Within Groups Total		723.9	4.1846	.6346	68.4714	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.0978	2	.5489	1.3628	.2587
Within Groups	68.4714	170	.4028		

Eta = .1256 Eta Squared = .0158

Dependant Variable STDPR2_2 **Shares responsibility for student achiev**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	261.0	4.5789	.5653	17.8947	57
g	Cooperating Teacher	269.0	4.7202	.5174	14.9895	57
y	Coordinator	260.0	4.4068	.7683	34.2373	59
Within Groups Total		790.0	4.5668	.6284	67.1215	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.8599	2	1.4299	3.6216	.0288
Within Groups	67.1215	170	.3948		

Eta = .2022 Eta Squared = .0409

Dependent Variable STDPR3_1 Self-evaluation Q3 Mid
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	233.1	4.0890	.7387	30.5539	57
g	Cooperating Teacher	230.6	4.0463	.7457	31.1376	57
y	Coordinator	240.5	4.0771	.3741	8.1155	59
Within Groups Total		704.3	4.0709	.6408	69.8070	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.0552	2	.0276	.0672	.9350
Within Groups	69.8070	170	.4106		

Eta = .0281 Eta Squared = .0008

Dependent Variable STDPR3_2 Self-evaluation Q3 Final
By levels of FORM Color of Form

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	258.50	4.5351	.5966	19.9298	57
g	Cooperating Teacher	255.93	4.4901	.7530	31.7488	57
y	Coordinator	252.50	4.2797	.8870	45.6356	59
Within Groups Total		766.93	4.4331	.7566	97.3143	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	2.1669	2	1.0834	1.8927	.1538
Within Groups	97.3143	170	.5724		

Eta = .1476 Eta Squared = .0218

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Dependent Variable STDPR4_1 **Seeks opportunities to grow Q4 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	226.0	3.9648	.8857	43.9293	57
g	Cooperating Teacher	230.0	4.0348	.8010	35.9310	57
y	Coordinator	234.7	3.9773	.4147	9.9723	59
Within Groups Total		690.6	3.9921	.7269	89.8327	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.1594	2	.0797	.1509	.8601
Within Groups	89.8327	170	.5284		

Eta = .0421 Eta Squared = .0018

Dependent Variable STDPR4_2 **Seeks opportunities to grow Q4 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	251.0	4.4035	.6777	25.7193	57
g	Cooperating Teacher	256.4	4.4986	.6269	22.0061	57
y	Coordinator	257.5	4.3644	.7814	35.4153	59
Within Groups Total		764.9	4.4215	.6993	83.1406	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.5498	2	.2749	.5621	.5711
Within Groups	83.1406	170	.4891		

Eta = .0811 Eta Squared = .0066

Dependent Variable STDPR5_1 **Leader in school Q5 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	199.28	3.4961	.8840	43.7649	57
g	Cooperating Teacher	207.00	3.6317	.7681	33.0403	57
y	Coordinator	208.91	3.5408	.4919	14.0366	59
Within Groups Total		615.19	3.5560	.7310	90.8417	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.5440	2	.2720	.5090	.6020
Within Groups	90.8417	170	.5344		

Eta = .0772 Eta Squared = .0060

Dependent Variable STDPR5_2 **Leader in school Q5 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	221.0	4.0182	.7069	26.9818	55
g	Cooperating Teacher	224.8	4.0881	.7527	30.5968	55
y	Coordinator	231.5	3.9237	.7868	35.9068	59
Within Groups Total		677.3	4.0080	.7504	93.4854	169

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.7776	2	.3888	.6904	.5028
Within Groups	93.4854	166	.5632		

Eta = .0908 Eta Squared = .0082

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Dependent Variable STDPR6_1 **A passion to improve Q6 Mid**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	231.60	4.0632	.7680	33.0329	57
g	Cooperating Teacher	235.31	4.1282	.7570	32.0946	57
y	Coordinator	242.94	4.1176	.3804	8.3922	59
Within Groups Total		709.85	4.1032	.6576	73.5197	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	.1390	2	.0695	.1608	.8516
Within Groups	73.5197	170	.4325		

Eta = .0434 Eta Squared = .0019

Dependent Variable STDPR6_2 **A passion to improve Q6 Final**
By levels of FORM **Color of Form**

Value	Label	Sum	Mean	Std Dev	Sum of Sq	Cases
blue	Student	264.50	4.6404	.5490	16.8772	57
g	Cooperating Teacher	260.09	4.5630	.6482	23.5278	57
y	Coordinator	262.00	4.4407	.7883	36.0424	59
Within Groups Total		786.59	4.5468	.6706	76.4474	173

Source	Sum of Squares	d.f.	Mean Square	F	Sig.
Between Groups	1.1783	2	.5892	1.3102	.2725
Within Groups	76.4474	170	.4497		

Eta = .1232 Eta Squared = .0152

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